

Mouse CD39/ENTPD1 Protein

Cat. No. CD3-MM139

Description

Source	Recombinant Mouse CD39/ENTPD1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr38-Ile478.
Accession	P55772
Molecular Weight	The protein has a predicted MW of 50.72 kDa. Due to glycosylation, the protein migrates to 68-78 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

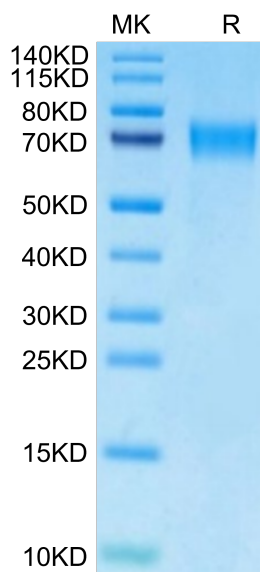
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris-HCl, 150mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD39, also known as ENTPD1, belongs to the GDA1/CD39 NTPase family. It is expressed primarily on activated lymphoid cells and can also be detected in endothelial tissues. CD39 is involved in the processes of thromboregulation and vascular inflammation. The administration of soluble NTPDase-1 may have therapeutic applications for the treatment of some vascular and transplantation-associated diseases.

Assay Data

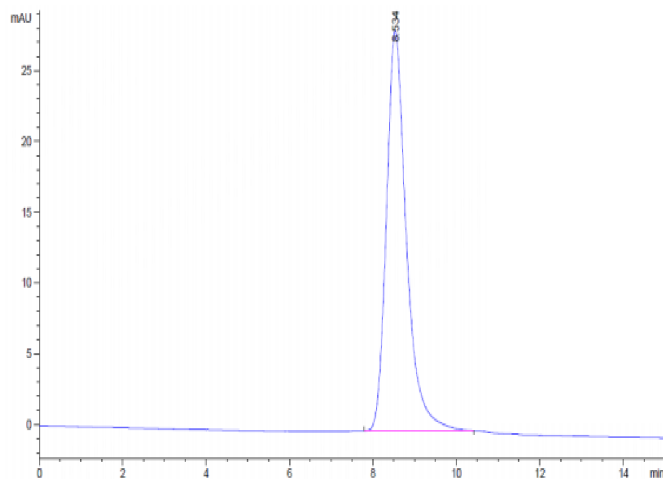
Bis-Tris PAGE



Mouse CD39 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse CD39 is greater than 95% as determined by SEC-HPLC.

Bioactivity Data

Measured by its ability to hydrolyze the 5'-phosphate groups from the substrate adenosine-5'-triphosphate (ATP). The specific activity is >18,000 pmol/min/μg.